

SEQUENCE LISTING

<110> TORAY INDUSTRIES, INC.
 <110> E. I. DU PONT DE NEMOURS AND COMPANY
 <120> SILK THREAD CONTAINING SPIDER SILK THREAD PROTEIN AND SILKWORM PRODUCING SAID
 SILK THREAD
 <130> FP1085SUBARU
 <150> JP 2004-005489
 <151> 2004-01-13
 <160> 12

<210> 1
 <211> 101
 <212> PRT
 <213> Artificial Sequence
 <400> 1

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Ser Gln Gly Ala Gly Gln Gly Gly Tyr Gly Gly Leu Gly Ser Gln Gly
1          5          10          15
Ala Gly Arg Gly Gly Leu Gly Gly Gln Gly Ala Gly Ala Ala Ala Ala
20          25          30
Ala Ala Ala Gly Gly Ala Gly Gln Gly Gly Leu Gly Ser Gln Gly Ala
35          40          45
Gly Gln Gly Ala Gly Ala Ala Ala Ala Ala Gly Gly Ala Gly Gln
50          55          60
Gly Gly Tyr Gly Gly Leu Gly Ser Gln Gly Ala Gly Arg Gly Gly Gln
65          70          75          80
Gly Ala Gly Ala Ala Ala Ala Ala Ala Gly Gly Ala Gly Gln Gly Gly
85          90          95
Tyr Gly Gly Leu Gly
100 101
  
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<210> 2
 <211> 96
 <212> PRT
 <213> Artificial Sequence
 <400> 2

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Ser Gly Gly Ala Gly Gly Ala Gly Gly Ser Gly Gly Ala Gly Gly Ala
1          5          10          15
Gly Gly Ser Gly Gly Ala Gly Gly Ala Gly Gly Ser Gly Gly Ala Gly
20          25          30
Gly Ala Gly Gly Ser Gly Pro Gly Gln Gln Gly Pro Gly Gly Tyr Gly
35          40          45
Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly
50          55          60
Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly
65          70          75          80
Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly
85          90          95 96
  
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<210> 3
 <211> 33
 <212> PRT
 <213> Bombyx mori

<400> 3

Arg	Ser	Tyr	Asp	Tyr	Ser	Arg	Arg	Asn	Val	Arg	Lys	Asn	Cys	Gly	Ile
1			5					10					15		
Pro	Arg	Arg	Gln	Leu	Val	Val	Lys	Phe	Arg	Ala	Leu	Pro	Cys	Val	Asn
			20					25					30		

Cys
33

<210> 4

<211> 35

<212> PRT

<213> Bombyx mori

<400> 4

Met	Arg	Val	Lys	Thr	Phe	Val	Ile	Leu	Cys	Cys	Ala	Leu	Gln	Tyr	Val
1			5					10					15		
Ala	Tyr	Thr	Asn	Ala	Asn	Ile	Asn	Asp	Phe	Asp	Glu	Asp	Tyr	Phe	Gly
			20					25					30		

Ser Asp Val
35

<210> 5

<211> 27

<212> DNA

<213> Artificial Sequence

<400> 5

aatggcgcgcg cgggagaaag catgaag 27

<210> 6

<211> 30

<212> DNA

<213> Artificial Sequence

<400> 6

catggatccg acatcactcc caaaatagtc 30

<210> 7

<211> 31

<212> DNA

<213> Artificial Sequence

<400> 7

cccaatttgg cgcgctcaa gacatccttg a 31

<210> 8

<211> 27

<212> DNA

<213> Artificial Sequence

<400> 8

gaatgctacc tcgaggttat gaaaatg 27

<210> 9

<211> 33

<212> DNA

<213> Artificial Sequence

<400> 9

gctggatccc gcagttacga ctattctcgt cgt 33

<210> 10

<211> 35

<212> DNA

<213> Artificial Sequence

<400> 10

cttggcgcgc cacgacgtag acgtatagcc atcgg

35

<210> 11

<211> 18

<212> PRT

<213> Artificial Sequence

<400> 11

Cys Gly Ala Gly Gln Gly Gly Tyr Gly Gly Leu Gly Ser Gln Ala Gly
1 5 10 15Arg Gly
18

<210> 12

<211> 19

<212> PRT

<213> Artificial Sequence

<400> 12

Cys Gly Pro Gly Gln Gln Gly Pro Gly Gly Tyr Gly Pro Gly Gln Gln
1 5 10 15Gly Pro Ser
19